

EPODOC / EPO

PN - JP10291431 A 19981104  
 PD - 1998-11-04  
 PR - JP19970103208 19970421  
 OPD - 1997-04-21

TI - AIR BAG INTEGRATED INSTRUMENT PANEL AND MANUFACTURE THEREOF

AB - PROBLEM TO BE SOLVED: To prevent the exposure of an air bag lid to a surface so as to improve the appearance by providing a surface layer in a surface of a foaming layer so as to form a facing, and providing an air bag lid, which is bonded in response to a breaking line provided in a back surface of the facing, and resin-molded base material layer. SOLUTION: A facing 3 is formed by integrally laminating a surface layer 14 of a solid resin on a surface of a foaming layer 1 made of a foaming resin, and integrally laminating a barrier layer made of the solid resin on a back surface thereof. The back surface of the facing 3 is provided with a breaking line 4 to be broken at the time of expanding an air bag. An air bag lid is a cover member, and manufactured by forming the thermoplastic resin, and provided with a V-shaped groove in response to the breaking line of the facing 3. The facing 3 is set in a cavity die, and the air bag lid is set in a core die, and the both are adhered to each other. Thereafter, a clearance between them is filled with the melted resin so as to form a base material layer in the back surface of the facing 3. Appearance is thereby improved.

IN - MIZUNO KIMISUKE

PA - MITSUBOSHI BELTING LTD

IC - B60K37/00; B29C39/10; B32B5/18; B60R21/20

EPA 1 DERWENT

TI - Instrument panel for motor vehicle that contains air bag - that is attached by lid with junction portion is having resin moulded backing layer

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PA - (MIUA ) MITSUBOSHI BELTING LTD

IC - B29C39/10 ;B32B5/18 ;B60K37/00 ;B60R21/20

AB - J10291431 NOVELTY - The instrument panel is attached with the lid of an air bag. The panel has an outer layer which comprises a foam layer sandwiched between a top layer and a fractured layer. The air bag lid is attached to the back side of the panel so as to cover the fractured layer. A resin moulded backing layer is provided at the back of the outer layer at the junction portion.

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the manufacturing method of the instrument panel which involves setting the outer layer of a panel comprising sequential arrangement of top layer, foam layer, barrier layer and a fractured layer in one mould section and the air bag lid in another mould section. The two mould sections are closed so that the air bag lid gets stuck to the back side of the panel. A backing layer is laminated at the junction portion by moulding a fused resin.

- USE - Used for motor vehicles.

- ADVANTAGE - The foam layer provides property to the panel. Infiltration of a fused resin to the foam layer which might cause defect is avoided.

- (Dwg.1/8)

OPD - 1997-04-21

AN - 1999-028589 [03]

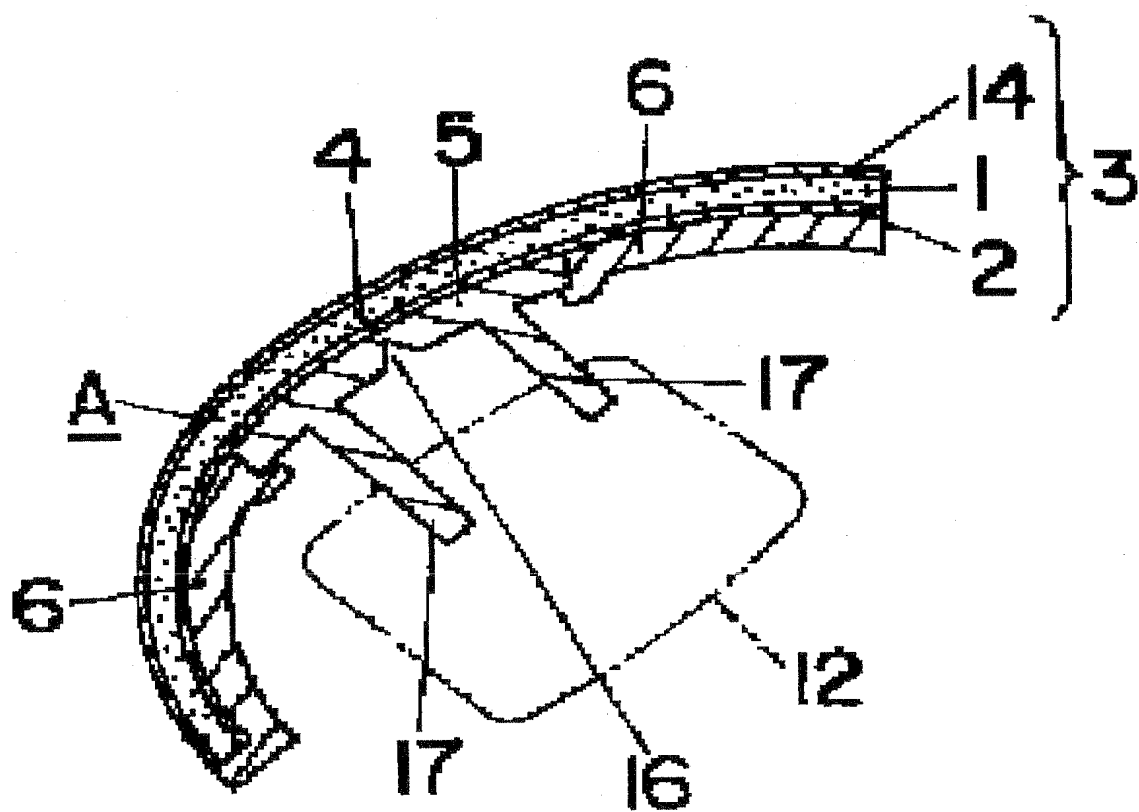
EPA 1 IPC

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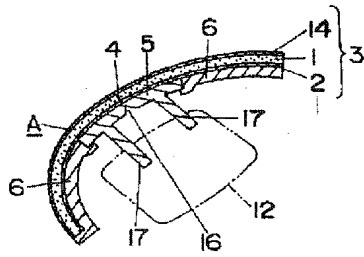
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- SOLUTION: A facing 3 is formed by integrally laminating a surface layer 14 of a solid resin on a surface of a foaming layer 1 made of a foaming resin, and integrally laminating a barrier layer made of the solid resin on a back surface thereof. The back surface of the facing 3 is provided with a breaking line 4 to be broken at the time of expanding an air bag. An air bag lid 11 is a cover member, and manufactured by forming the thermoplastic resin, and provided with a V-shaped groove in response to the breaking line of the facing 3. The facing 3 is set in a cavity die, and the air bag lid 11 is set in a core die, and the both are adhered to each other. Thereafter, a clearance between them is filled with the melted resin so as to form a base material layer 12 in the back surface of the facing 3. Appearance is thereby improved.
- I - B60K37/00 ;B29C39/10 ;B32B5/18 ;B60R21/20

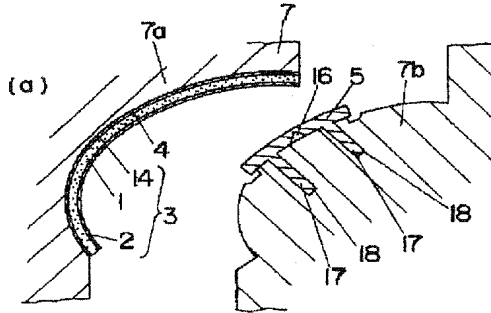


【図1】

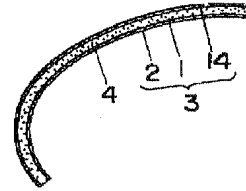


- 1…発泡層  
2…バリア層  
3…表皮  
4…破断ライン  
5…エアバッグリッド  
6…基材層

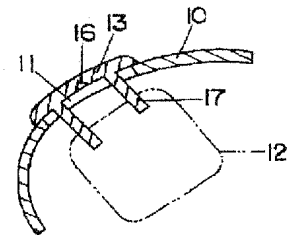
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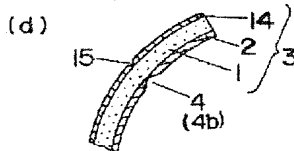
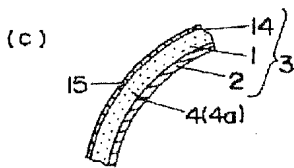
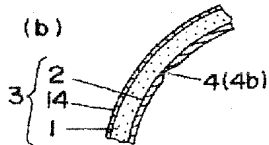
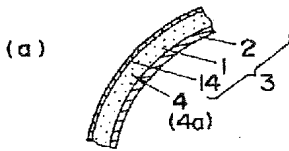
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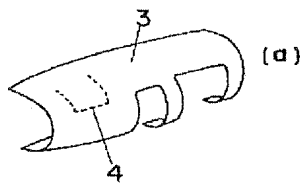
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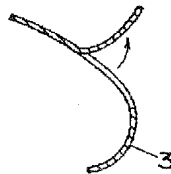
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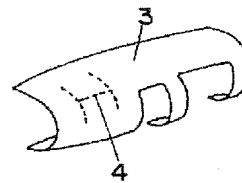
【図5】



(b)



【図6】



(b)

